

ABSTRACT

A dimming device is provided by using a material which is capable of transitioning between a metallic reflection
5 state and a transmitting state.

The dimming device has a layered structure including a first layer 1 and a second layer 2, such that the light reflectance of the first layer 1 changes in response to an external stimulation. The first layer 1 contains a first
10 material whose optical characteristics change in accordance with a concentration of a specific element. The second layer 2 contains a second material capable of containing the specific element, the second material releasing or absorbing the specific element in accordance with the external
15 stimulation.